UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG ___ ELECTRIC LOGS ___ FILE X WATER SANDS ___ LOCATION INSPECTED ___ SUB. REPORT/ABD. ___

DATE FILED 10-1-79

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. UTAH 0144868 INDIAN

DRILLING APPROVED: 9-28-79

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 4803' GL

DATE ABANDONED LOCATION ABANDONED WELL NEVER DRILLED 1-12-81

FIELD: Natural Buttes 3/86

UNIT:

COUNTY: Uintah

WELL NO. Natural Duck 14-15GR API NO: 43-047-30631

LOCATION 1987' FT. FROM ~~XX~~ (S) LINE. 660' FT. FROM (E) ~~XX~~ (W) LINE. NE SE ¼ - ¼ SEC. ~~14~~ 15

9

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	20E	15	BELCO ~~PETROLEUM CORP.~~

FILE NOTATIONS

Entered in NID File .....
Location Map Pinned .....
Card Indexed .....

Checked by Chief .....
Approval Letter .....
Disapproval Letter .....

COMPLETION DATA:

Date Well Completed .....

WW..... TA.....
OW..... OS..... PA.....

Location Inspected .....

Bond released
State or Fee Land .....

LOGS FILED

Driller's Log.....
Electric Logs (No.) .....
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... MI-L..... Sonic.....
CBLog..... CCLog..... Others.....

CHD
06/19/92

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: UTAH 0144868

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE (SURFACE)

7. UNIT AGREEMENT NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME: NATURAL DUCK

2. NAME OF OPERATOR: BELCO PETROLEUM CORPORATION

9. WELL NO.: 14-15 GR

3. ADDRESS OF OPERATOR: P. O. BOX X, VERNAL, UTAH 84078

10. FIELD AND POOL, OR WILDCAT: ND - ~~GREEN R VER~~ Natural Buttes

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FEL & 1987' FSL (NE SE)
At proposed prod. zone: SAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SEC ~~14~~ 15, T9S, R20E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12. COUNTY OR PARISH: UINTAH — 13. STATE: UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
660'		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
	5207 Green River	ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4803' Natural GL

22. APPROX. DATE WORK WILL START*: 12/79

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12¼"	9-5/8"	36.0# K-55	200'	200 sx
8-3/4"	4½"	11.6# K-55	5207'	1000 sx - as needed

1. SURFACE FORMATION - Uinta
2. EST LOG TOPS: 1740'
3. Anticipate water throughout the Unita. Ancitipate oil & gas shows in the Green River from 1740' to TD.
4. CASING DESIGN: New casing as above. Surface will be set with a dry hole digger.
5. MIN. BOP: 8", 3000# hydraulic doublegate BOP. Test to 1000# prior to drilling surface plug & on each trip for bit.
6. MUD PROGRAM: A water based gel-chemical weighted to 10.5 ppg will be used to control the well.
7. AUX. EQUIP: 2", 3000# choke manifold & kill line, kelly cock, stabbing valve & visual mud monitoring,
8. Run DIL, CNL-FDC-GR logs. No cores or DST's are anticipated. A frac treatment of ±12,000 gals ADC & ±12,000# sand is anticipated.
9. No abnormal pressures or problems are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
10. Operations will commence approx 12/79 and end approx 12/79.

SIGNED Myran E. Cope — TITLE ENGINEERING CLERK — DATE 9/21/79

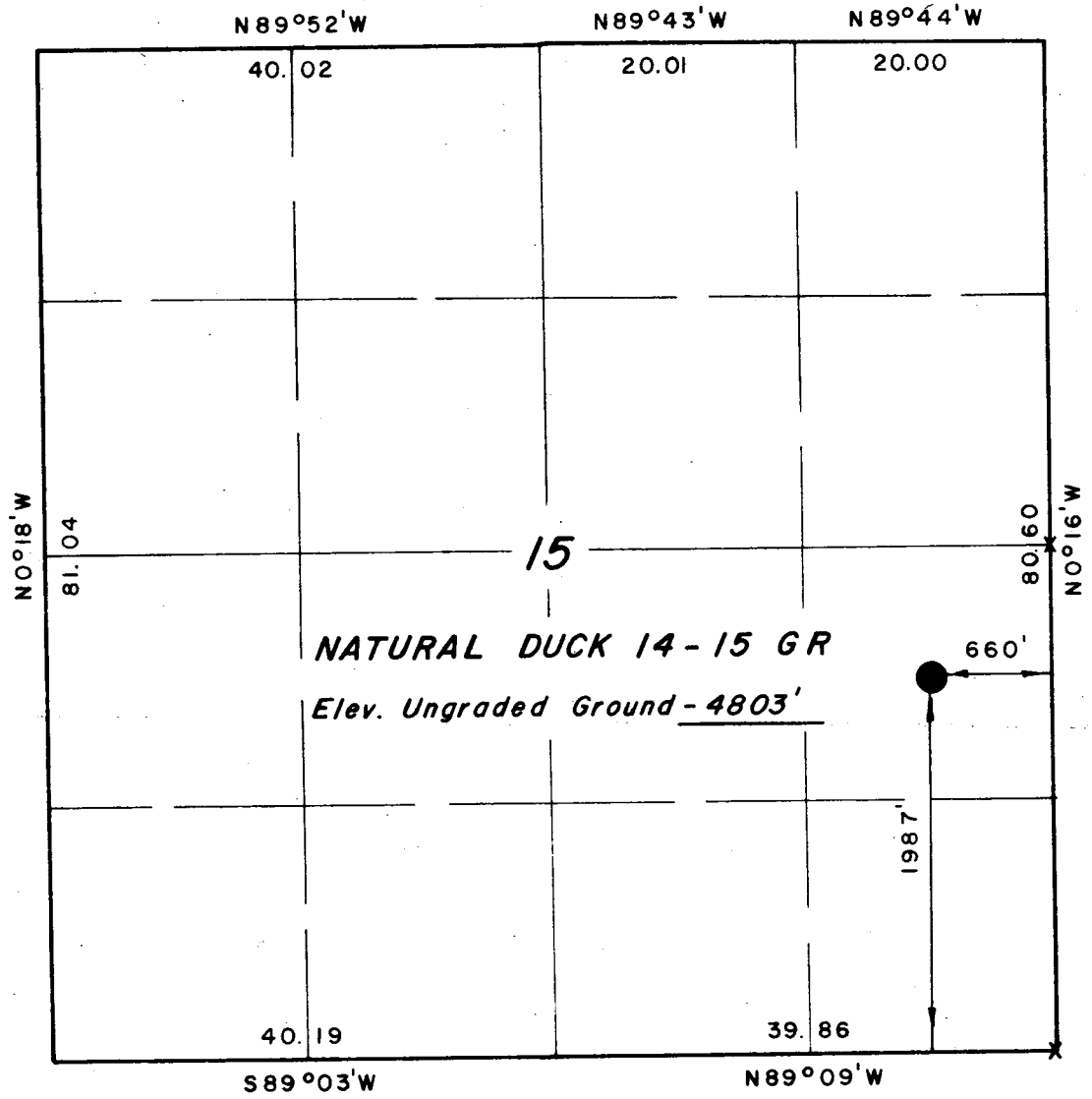
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 9/27/79

APPROVED BY Leon B Feight — TITLE Director — DATE 9/27/79

CONDITIONS OF APPROVAL, IF ANY:

T 9 S, R 20 E, S.L.B.&M.



X = Section Corners Located

PROJECT

BELCO PETROLEUM CORP.

Well location, *NATURAL DUCK 14-15 GR*, located as shown in the NE 1/4 SE 1/4 Section 15, T9S, R20E, S.L.B.&M. Uintah County, Utah.

NOTE:

Elev. Ref. Pt. 175' S 34°19'10" W - 4839.64'
" " " 225' " - 4839.58'
" " " 250' S55°40'50"E - 4845.15'
" " " 300' " - 4844.70'

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Dave Stewart

REGISTERED LAND SURVEYOR
REGISTRATION Nº 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9 / 7 / 79
PARTY S.S. S.H. M.H. S.B.	REFERENCES GLO Plat
WEATHER Fair	FILE BELCO

** FILE NOTATIONS **

DATE: Sept 26, 1979

Operator: Belco Petroleum Corporation

Well No: Natural Duck #14-15GR

Location: Sec. 14 T. 9S R. 20E County: Uintah

File Prepared: ✓ Entered on N.I.D.: ✓

Card Indexed: ✓ Completion Sheet: ✓

☐ API Number 43-047-30631

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: Cog. on, Bond Unit

Director: _____

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. _____ O.K. Rule C-3 ☐

Unit approval

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed Unit Plotted on Map ✓

Approval Letter Written ✓

PI hl

September 28, 1979

Belco Petroleum Corporation
P.O. Box X
Vernal, Utah 84078

Re: Well No. Duck Creek #13-17GR, Sec. 13, T. 9S, R. 20E., Uintah County, Utah
Well No. Natural Duck #14-15GR. Sec. 14, T. 9S, R. 20E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells are hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify one of the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

FRANK M. HAMNER
Chief Petroleum Engineer
Office: 533-5771
Home: 531-7827

Enclosed please find Form OGC-8-X, Which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #13-17GR - 43-047-30630; #14-15GR - 43-047-30631,

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/btm

cc: USGS

Form 9-331C
(May 1963)

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE COPY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: UTAH 0144868

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7. UNIT AGREEMENT NAME:

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b. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME: NATURAL DUCK

2. NAME OF OPERATOR: BELCO PETROLEUM CORPORATION

9. WELL NO.: 14-15 GR

3. ADDRESS OF OPERATOR: P. O. BOX X, VERNAL, UTAH 84078

10. FIELD AND POOL, OR WILDCAT: ND - GREEN R VER

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660' FEL & 1987' FSL (NE SE)
At proposed prod. zone: SAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SEC 15, T9S, R20E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12. COUNTY OR PARISH: UINTAH — 13. STATE: UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
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24.

SIGNED: Myan E. Cope — TITLE: ENGINEERING CLERK — DATE: 11/21/79

RECEIVED
DEC 20 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY: W. P. Martin — TITLE: ACTING DISTRICT ENGINEER — DATE: DEC 18 1979

CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

State O&G

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U 0144868

OPERATOR: Belco Petroleum Corp. WELL NO. Natural Duck 14-15 GR

LOCATION: ___ ¼ NE ¼ SE ¼ sec. ~~14~~ 15, T. 9S, R. 20E, SLM

Uintah County, Utah

---

1. **Stratigraphy:** Uinta - surface

Green River -	1740	+3063
Mahogany Zone	2500	+2313

2. **Fresh Water:** See attached WRD report

Operator expects water through the Uinta Fm.

3. **Leasable Minerals:** Oil Shale Land Withdrawn under E.O. 5327

Gas may be present in the Wasatch Fm.

Pods of saline minerals may be present in the Green River Fm.

4. **Additional Logs Needed:** APD proposed logging program should be adequate.

5. **Potential Geologic Hazards:** Loss of circulation is possible in leached intervals below rich oil shale zones.

6. **References and Remarks:** U.S.G.S. Prof. Paper 548

U.S.G.S. files, SLC

Within Bitter Creek KGS

Signature: J. Paul Matheny **Date:** 10-3-79

17. (D-9-20)28 dd center

Depths of fresh-water zones:

Gas Producing Enterprises, Inc., Natural Buttes Unit, No. 5

Bitter Creek Field

1,320'fel, 1,320' fsl, sec. 28, T. 9 S., R. 20 E., SLBM, Uintah Co., Utah

Elev. 4,900 ft, test to 10,000 ft.

Casing: 9-5/8" to 250 ft,
7" to 6,000 ft,
4-1/2" to 10,500 ft.

Formation tops, approx.:

Uinta Fm	surface
Green River Fm	1,700 ft
Wasatch Fm	5,100 ft
Mesaverde Gp	8,100 ft
Mancos Fm	10,400 ft

There are no recorded water wells in the near vicinity of this proposed test. A deep well about 7 miles southeast of the proposed test recovered useable water (brackish or slightly saline) from as deep as 3,500 feet, near the base of the Green River Formation. Useable water may occur as deep as 3,000 feet at this proposed test site.

CTS
3-31-70

Oil and Gas Drilling EA #602-79

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No.: U-0144868

Operator: Belco Petroleum Well No.: 14-15

Location: 660' FEL & 1987' FSL Sec.: 15 T.: 9S R.: 20E

County: Uintah State: Utah Field: Wildcat

Status: Surface Ownership: Indian Minerals: Federal

Joint Field Inspection Date: October 2. 1979

Participants and Organizations:

Craig Hansen	USGS - Vernal, Utah
Dale Hanburg	BIA - Ft. Duchesne
Rick Schats	Belco Petroleum
Bob Pease	Pease Construction

Related Environmental Analyses and References:

Analysis Prepared by: Craig Hansen
Environmental Scientist
Vernal, Utah

Reviewed by: George Diwachak
Environmental Scientist
Salt Lake City, Utah

Date: October 3, 1979

Noted - G. Diwach...

Proposed Action:

On September 24, 1979, Belco Petroleum filed an Application for Permit to Drill the No. 14-15 exploratory well, a 5207 foot oil test of the Green River Formation, located at an elevation of 4803 ft. in the NE 1/4 SE 1/4 Section 15. T9S R 20E on Federal mineral lands and Indian surface, lease No.U-0144868. There was no objection to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BIA - Ft. Duchesne the controlling surface agency. Rehabilitation plans would be decided upon as well neared completion, the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 150 ft. wide x 400 ft. long and reserve a pit 100 ft. x 200 ft. A new access road would be constructed 32 ft. wide x .5 miles long from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. The anticipated starting date is December, 1979 and duration of drilling activities would be about 30 days.

A gas pipeline crosses the access road near the location. The operator should take adequate precautions to protect the line from damage by vehicular and construction traffic.

Location and Natural Setting:

The proposed drillsite is approximately 3 miles south of Ouray, Utah, the nearest town. A poor road runs to within .5 miles of the location. This well is a wildcat.

Topography:

The location is on top of a flat weathered ridge of sandstone and shale with steep drainage patterns on the south and east sides.

Geology:

The surface geology is the Uintah Formation, tertiary in age.

The soil is sandy with weathered shale.

No geologic hazards are known near the drillsite.

Seismic risk for the area is moderate. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formations to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occuring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U. S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey Engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access road per the recommendations of the Bureau of Indian Affairs.

Approximately 3.8 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicluar traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8" to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occuring predominately from west to east. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The location drains north by non-perennial drainage to the White River, which is a major tributary to the Green River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks and spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of producted water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Rabbit brush, shadscale, tumbleweeds, cactus and halogen exist on the location.

Plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 3.8 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

The fauna of the area consists predominately of mule deer, antelope, coyotes, rabbits, foxes, and varities of small ground squirrels and other types of rodents and various types or reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BIA - Ft. Duchesne. No endangered plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigation the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilites of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operations may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is visible from any major road. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County Utah.

But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantialy greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be removed at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

1). Not approving the proposed permit -- the oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

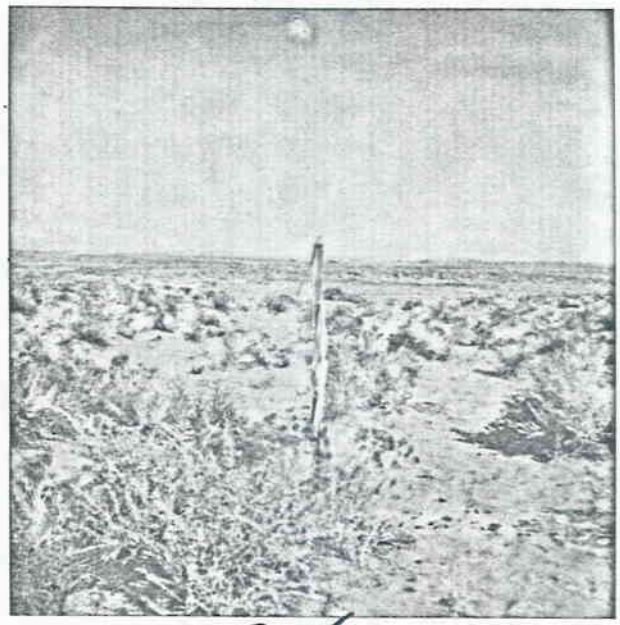
Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

2). Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetation, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

3). Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

a.) The existing pipeline near the access road should be wrapped and covered before construction begins.

b.) The pipeline should be flagged to prevent damage to the line.



Beloo
14-15
Looking north

Adverse Environmental Effects Which Cannot Be Avoided:

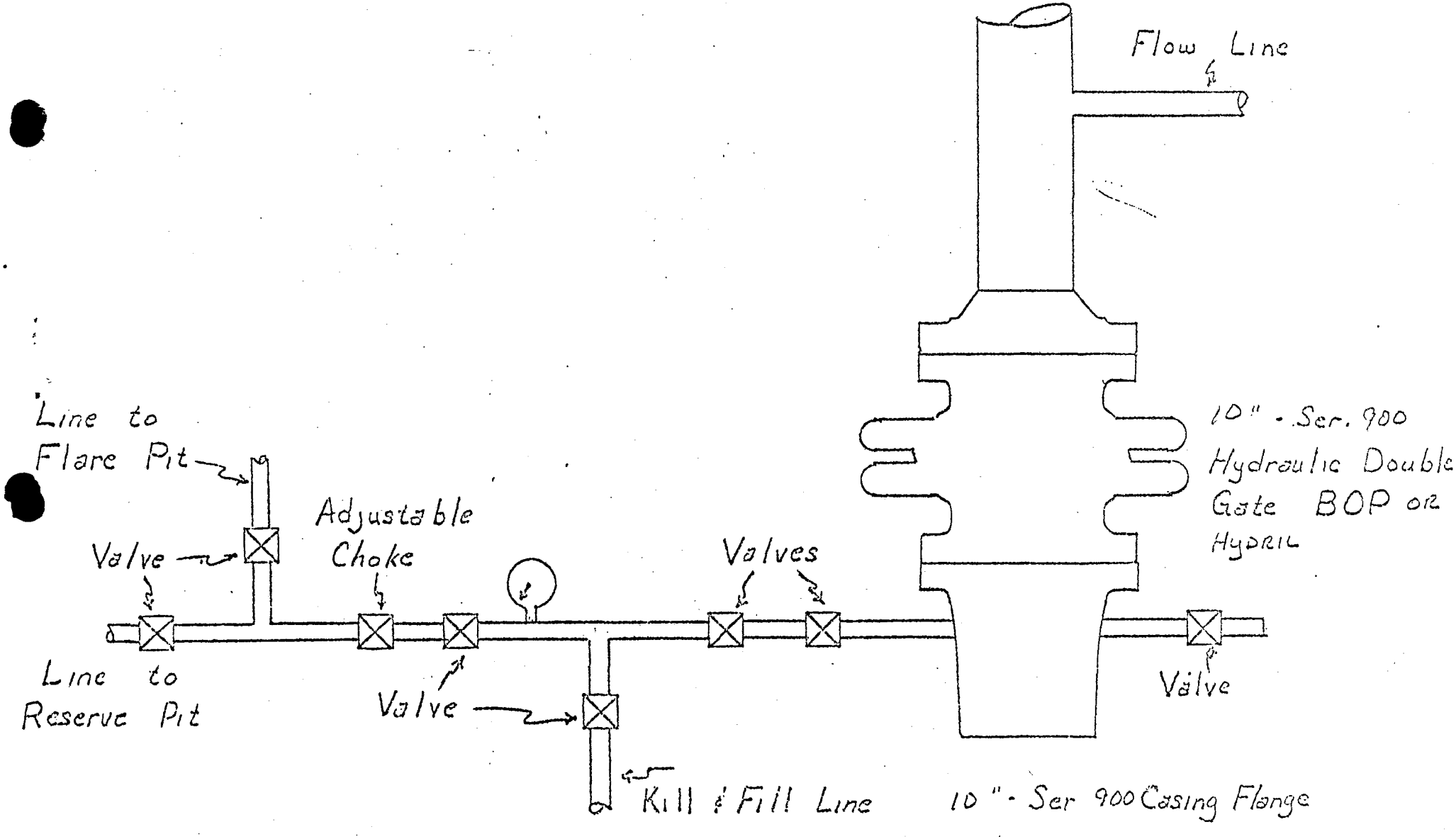
Surface disturbance and removal of vegetation from approximately 3.8 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emmissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associatd with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable committment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the Green River would exist through leaks and spills.

Determination:

This requested action ~~does~~/does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, 102 (2) (C).

11/26/79
Date

District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District


Flow Line
10" - Ser. 900
Hydraulic Double
Gate BOP or
Hydril
Line to
Flare Pit
Valve
Adjustable
Choke
Valves
Line to
Reserve Pit
Valve
Valve
Kill & Fill Line
10" - Ser 900 Casing Flange

NBU 9-32GR	Pumped 3 BO, 10 BW in 24 hrs, 80% WC, TP-30, CP-10, 8 X 64 SPMXL, no gas vented
NBU 28-4B	Flowed 30 MCF in 24 hrs, 48/64 choke, TP-750, CP-750, 625 Back PSI
NBU 54-2B	Flowed 876 MCF in 24 hrs, 10/64 choke, TP-2100, CP-2100, O BC, O BW
NBU 39-28B	SI TP-700, CP-1000, SI 24 hrs
NBU 47-27B	Open to pit, TP-0, CP-1450, open to pit 192 hrs
NBS 1-32G	SI TP-2130, CP-pkr, SI 72 hrs
NBU 41-34B	SI TP-1100, CP-1640, SI 120 hrs
EGNAR #1	1400 MCF, O BC, TP-700, LP-590, 68°

LOCATION STATUS

NBU 48-29B	WOCU
STGU 18-17	WOCU
CWU 43-11	WOCU
CWU 46-30	WOCU
CWU 42-13	Location built, surface set
CWU 48-19	Location built
DUCK CREEK 4-17	Location built
8-16GR	Location built
9-16GR	Location built
10-16GR	Location built
11-16GR	Location built
12-9GR	Approved
13-17GR	Approved
14-16GR	Building location
15-16GR	WO USGS approval, NID sent 12-13-79, inspected 2-11-80
16-16GR	Approved
17-16GR	WO USGS approvel, NID sent 12-13-79
18-16GR	WO USGS approval, NID sent 12-13-79
19-16GR	WO USGS approval, NID sent 12-13-79, inspected 2-11-80
20-9GR	WO USGS approval, NID sent 12-13-79, inspected 2-12-80
21-9GR	WO USGS approval, NID sent 12-13-79, inspected 2-12-80
NATURAL DUCK 5-15GR	Approved
6-15GR	WO USGS approval, NID sent 12-11-79, inspected 2-11-80
7-15GR	WO USGS approval, NID sent 12-11-79, inspected 1-7-80
8-15GR	WO USGS approval, NID sent 3-4-80
9-15GR	WO USGS approval, NID sent 3-4-80
14-15GR	Approved
STAGECOACH 16-26	Location built
17-25	Approved
19-33	WO USGS approval, NID sent 12-17-79, inspected 2-12-80
20-7	WO USGS approval, NID sent 12-17-79
21-8	WO USGS approval, NID sent 12-17-79, inspected 2-12-80
CWU FED 1-4	WO USGS approval, NID sent 12-17-79, inspected 2-12-80
1-5	WO USGS approval, NID sent 12-17-79, inspected 2-12-80

October 3, 1980

Belco Petroleum Corporation
P.O. Box X'
Vernal, Utah 84078

RE: Well No. Chapita Well 1-4, Sec. 4, T. 9S, R. 22E, Uintah County.,
RE: Well No. Natural Duck #14-15Gr, Sec. 14, T. 9S, R. 20E, Uintah County.,
RE: WEll No. Natural Duck #7-15GR, Sec. 15, T. 9S, R. 20E, Uintah County.,
RE: Well No. Stagecoach 17-25, Sec. 25, T. 9S, R. 21E, Uintah County.,
RE: Well No. Stagecoach 20-7, SEC. 7, T. 9S, R. 22E, Uintah County.,
RE: Well No. Stagecoach 21-8, Sec. 8, T. 9S, R. 22E, Uintah County.,

Gentlemen:

In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill these wells and action will be taken to terminate the application. If you plan on drilling these locations at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

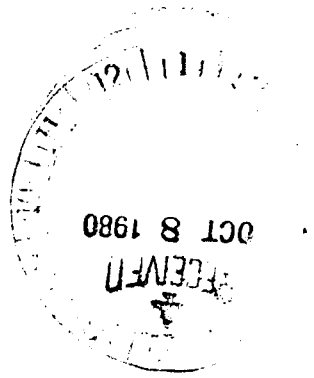
BARBARA HILL
CLERK TYPIST

/bjh

P.O. Box X
Vernal, Utah 84078
Telephone (801) 789-0790

Belco Petroleum Corporation

Belco



October 7, 1980

Ms. Barbara Hill
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

RE: Chapita Wells Federal 1-4
Natural Duck 7-15GR
Natural Duck 14-15GR
Stagecoach 17-25
Stagecoach 20-7
Stagecoach 21-8
Uintah County, Utah

Dear Ms. Hill;

In response to your letter dated October 3, 1980, concerning the subject wells, Belco Petroleum Corporation does intend to drill these wells.

Belco did not receive USGS approval to drill the Stagecoach wells #20-7 and #21-8 until June 6, 1980, six months after we had received State of Utah approval, USGS approval for Chapita Wells Federal 1-4 was received April 9, 1980, and USGS approval to drill Natural Duck 7-15GR was granted March 20, 1980. We would request the State to extend their approval of these wells to these dates also.

We realize that the approved APD's for Natural Duck 14-15GR and for the Stagecoach 17-25 are somewhat older, but Belco does intend to drill them and requests that the approvals not be terminated.

Very truly yours,
BELCO PETROLEUM CORPORATION

Lonnie Nelson
Engineering Clerk

LN/lk
xc: file (7)

United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

January 12, 1981

Belco Petroleum Corporation
P.O. Box X
Vernal, Utah 84078

Re: Returned Applications for Permit to Drill
Well No. 12-9GR
Section 9, T. 9S., R. 20E.
Uintah County, Utah
Lease No. U-13633

Well No. 14-15GR
Section 15, T. 9S., R. 20E.
Uintah County, Utah
Lease No. U-0144868

Well No. 13-17GR
Section 17, T. 9S., R. 20E.
Uintah County, Utah
Lease No. U-38400

Gentlemen:

The Applications for Permit to Drill the referenced wells were approved December 18, 1979. Since that date no known activity has transpired at the approved locations. Under current District policy (Conditions of Approval Item No. 10), Application's for Permit to Drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced applications without prejudice. If you intend to drill at these locations on a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must, then, be submitted. Your cooperation in this matter is appreciated.

Sincerely yours,

E. W. Guynn
District Oil and Gas Supervisor